

TT-63-20719

Ellern, S. S., Penkov, I. N., and Sirdikov, B. S.  
AN ASSOCIATION OF HYDROTHERMAL CARBONATE,  
BITUMEN AND SULFIDES IN DEVONIAN DEPOSITS  
OF THE NORTHERN PART OF THE KAZAN-KIROV  
DOWNWARPING. [1963] 8p 6refs  
Order from OTS, SLA, or ETC \$1.10 TT-63-20719

Trans. of Akademiya Nauk SSSR. (Doklady, 1962,  
v. 145 [no. 5] p. 1125-1126. (Abstract available)

DESCRIPTORS: \*Geochemistry, Carbonates, Bitumens,  
Sulfides, Deposits, Minerals, Rock (Geology),  
\*Petrology.

The mineral paragenesis, assumed to have been brought  
about as a result of low temperature hydrothermal  
processes, is described for a region of volcanic activity.  
The paragenesis developed in two stages; in the earlier  
stage, the turbid (bituminous) dolomite was formed with  
(Earth Sciences--Geology, TT, v. 11, no. 4) (over)

I. Ellern, S. S.  
II. Penkov, I. N.  
III. Sirdikov, B. S.

Office of Technical Services

A Study of Highly-Plastic (At-196°)  $\alpha$ -Titanium  
Solid Solutions, by O. K. Belousov, I. I. Kornilov,  
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Chemical Technology  
Section), Vol CXLV, No 5, 1962, pp 1102- .

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A New Type of Cimmerian Iron Ore in the Kerch  
Basin, by Ye. F. Shnyukov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science  
Sections, Vol CXLV, No 5, 1962, pp 1127-1130.

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Minor Elements in the Pre-Devonian (Bavlynian)  
Rocks of Western Bashkiria, by S. G. Murozov,  
3 PP.

RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science  
Sections, Vol CXLV, No 5, 1962, pp 1131-1133.

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Manganese Coating on Pebbles in Modern Alluvium,  
Lesser Khingan Range, by V. V. Nikol'skaya, 2 pp.

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New Data on the Genesis of Ground Waters in the  
Productive Beds of Azerbaydzhan, by G. M. Sukharev,  
T. S. Krumbol'dt, 3 pp.

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Sections, Vol CXLV, No 5, 1962, pp 1137-1140.

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Charophytes From the Triassic Varicolored Deposits  
of the Great Donets Basin, by L. Ya. Saydakovskiy,  
3 pp.

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Comparative Karyological Investigation of Transplantable  
Cell Lines of Human Amnion, by N. B. Varshaver 3pp

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section, Vol CXLV,  
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The Afferent Innervation of the Heart of the Black  
Sea Sharks and Skates, by A. A. Kolosova 3pp

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Distribution of Glycogen in the Fibers of the Intact  
Myocardium and After Experimental Trauma to the Heart,  
S.S. Saidrasulov 3pp

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No. 5, 1962, pp1151-1153.

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An Experimental Histochemical Analysis of the Process  
of Development of Ischemic Necrosis and Scarring of  
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The Influence of the C<sub>2</sub>-C<sub>6</sub> Aliphatic Acids on the  
Growth of Actinomyces Streptomycini and on the Forma-  
tion of Streptomycin by it, by T. B. Kazanskaya,  
I. G. Orlova, 2pp

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Effect of Ionizing Radiation on Nucleic Metabolism  
in Female Organism with Reference to Development of  
Males and Females in Progeny, by V. N. Shreder, 3pp

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in Female Organism With Reference to Development of  
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Comparison of the Anabolic Activity of Testosterone  
Propionate, 19-Nor-D-Homotestosterone, and Some of Its  
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Reaction of Plants, by M. G. Agacv, 2pp

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System in the Poultry Mite- Dermanyssus Gallinae  
(Gamosoidea, Dermanyssidae) by Yu. P. Lagutenko 4pp

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A New Form of Snow Sheep From the Koryak Highlands,  
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The Nonspecific Stimulation of Phagocytic Activity  
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Regeneration of the Myocardium in the Rat Under the  
Influence of Ribonucleic Acid and Pyrogenal, by  
L. V. Pojezhaev, L. V. Akhabadze, 4pp

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No 5, 1962, pp1180-1183,

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The Effect of Hyperfunction of the Heart on the Realization of the Negative Chronotropic Effect of the Vagus Nerve, by F. Z. Meerson, t.M/ Dmitrieva 3pp

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S. D. Berman, P. M. Gudivok, 3 pp.

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A New Method of Solving a Boundary Value Problem for  
a Linearized System of Navier-Stokes Equations in  
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5 pp.

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No 6, 1962, pp 1202-1204.

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Analytic Functions in Tubular Regions, by S. G.  
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Correspondence of the Boundaries in  $Q$ -Quasiconformal  
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With Discontinuous Coefficients, by L. I. Kamynin,  
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Ljapunov Stability and Equations With Concave  
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On the Question of the Zeroth Stability Zone, by  
A. Yu. Levin, 3 pp.

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Finally Compact Spaces, by A. Miscenko, # 4 pp.

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Successive Laplace Transformations With  $\mathbb{A}^1$ -Fibered  
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The Buckling Surfaces of Thin Shells With a  
Local Loss of Stability, by A. V. Sachenkov, 6 pp.

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Photoconductive Single Crystals of Lead Oxide,  
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Ferroelectric by Means of Neutron Diffraction Study  
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Autoresonance Motion of a Particle in a Plane  
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On the Kinetics of a Nonisothermal Plasma, by  
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Limits of Applicability of Bouger Law and the Reversal Effect of Anomalous and Selective Atmospheric Transparency, by G. V. Rozenberg.

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NLL(LOAN)Ref: 5828.4 1963 (10,429)

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Short-Period Wave-Train Type Oscillations of  
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Relationship Between the Gravity Field and Geologic  
Structure of Explored Regions of Antarctica, by  
S. A. Ushakov, 3 pp.

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Zgonnik, V. N., Dolgoplosk, B. A. and others.  
SOME RELATIONSHIPS IN THE PROCESS OF  
BUTADIENE POLYMERIZATION UNDER THE IN-  
FLUENCE OF CATALYTIC SYSTEMS, CONTAINING  
COBALT. [1963] 5p. 5 refs.  
Order from UTS or SLA \$1.10 63-18424

Trans. of Akademiya Nauk SSSR, Doklady, 1962,  
v. 145, no. 5, p. 1283-1287.

DESCRIPTORS: \*Butadienes, Catalysis, Chlorides,  
Cobalt compounds, Pyridines, \*Aluminum compounds,  
Butyl radicals, Molecular weight, Polymerization,  
\*Ziegler catalysts, \*Cobalt catalysts.

Some new data on relationships in the process of  
polybutadiene polymerization under the influence of  
a homogenous catalytic system, composed of the  
pyridine complex of cobalt chloride with diisobutyl-  
aluminum-chloride, are reported. The polymerization  
(Materials--Elastomers, TT, v. 10, no. 8) (over)

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I. Zgonnik, V. N.  
II. Dolgoplosk, B. A.

Office of Technical Services

Chemiluminescence Method for Measuring Relative Rate  
Constants in the Liquid Phase Oxidation of Hydrocarbons,  
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Nuclear Magnetic Resonance Study on the State of  
Water Sorbed on Calcium Hydrosilicate, by  
V. I. Kvlivdze, K. G. Krasil'nikov, 3 pp.

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Concentration Limits of Flame Propagation in Acetylene-Air Mixtures, by S. M. Kogarko, B. A. Ivanov, 3 pp.

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Certain Details Concerning the Dissolution of  $\text{Cu}_2\text{S}$  in  
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Kinetic Parameters for the Processes of Detonation,  
Self-Ignition, and Isothermal Oxidation of Benzene,  
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Electron Paramagnetic Resonance in ~~NH<sub>4</sub><sup>+</sup>~~ Nb<sup>4+</sup>, by  
V. N. Fedotov, N. S. Garif'yanov, 2 pp.

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Dipole Moments of Merocyanines, Derivatives of  
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Substituted Forms, by YME. A. Shott-L'vova, Ya. K. Syrkin,  
3 pp.

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Effect of Adsorption of Organic Substances on the  
Kinetics of Their Electrolytic Reduction, by  
A. B. Y'Ershler, D. A. Tedoradze,

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The Age of the Nagayev Strata, by Yu. P. Baranova,  
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Geology and Genesis of Cupriferous Sandstones in  
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Tectonic Chart for Southwest Darvaz, by  
N. G. Vlasov, 3 pp.

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Geologic Age of the Loess Soils at the New  
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Light of Palynologic Data, by V. A. Vronskiy,  
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New Data on Lower Silurian Volcanic Rocks in the  
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A. B. Dargunov, 3 pp.

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Contribution to the Lithology and Stratigraphy  
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On the Boundaries and Time of Formation of the  
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A. V. Drunya, 2 pp.

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Stratigraphic Subdivision of the Ordovician and  
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A. B. Ivanovskiy, 2 pp.

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The Upper Boundary of the Kimmeridgian Stage, by  
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Recent Cinnabar Deposits at Apapel' Springs, by  
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Rheomorphic Veins in a Limestone Xenolith From  
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2 pp.

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Injury to Paramecia by Water Radiolysis Products  
During Radiation Exposure, by E. G. Zinov'eva, 3 pp.

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VOL CXLV, No 6, 1962, pp 1389-1392.

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Effect of X-Irradiation In Different Periods of  
Embryonic Development on Testes of Sexually Mature  
Mice, by M. I. Muzhdin, N. N. Kuznetsova, 2 pp.

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Functions of Distribution of Concentrations in  
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RUSSIAN, Izv. Akad. Nauk SSSR, (Physics Section),  
Vol CXLV, No 6, 1962, pp 1396-.

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